

## MatCHIM Hospital Discharge Data Layout

#	Variable	Type	Len	Pos	Label
22	A1	Char	50	96	PROVIDER NAME
15	AGEGRP	Num	3	75	Age Grouped
14	AGEPOP	Num	3	72	Age Grouped
12	CHROUTL	Num	8	56	Outlier, Facility Charges
28	DIST_R	Num	3	171	Residential District
23	DL	Num	8	146	
20	DRG	Num	3	90	Diagnosis Related Group
2	DX1	Char	5	8	Principal Diagnosis
3	DX2	Char	5	13	Second Diagnosis
4	DX3	Char	5	18	Third Diagnosis
5	DX4	Char	5	23	Forth Diagnosis
6	DX5	Char	5	28	Fifth Diagnosis
25	DXCAT	Num	3	162	Diagnosis Category
16	GENDER	Num	3	78	Gender
11	LOS	Num	8	48	LENGTH OF STAY
13	LOSOUTL	Num	8	64	Outlier, LOS
21	MDC	Num	3	93	MDC
18	PAYER	Num	3	84	Payer
24	PL	Num	8	154	
26	PRCAT	Num	3	165	Procedure Category
7	PROC1	Char	4	33	Principal Procedure
8	PROC2	Char	4	37	Second Procedure
9	PROC3	Char	4	41	Third Procedure
10	PTCOUNTY	Num	3	45	County of Patient Origin
17	STATUS	Num	3	81	Patient Status on Release
1	TOT_CHRG	Num	8	0	Total Charge
27	X	Num	3	168	Dummy Variable to Count Cases
19	YR	Num	3	87	Year of Discharge

## MatCHIIM Hospital Discharge Data Codes

No.	Variable Name	Variable Label	Variable Name	Variable Label
1	TOT_CHRG	Total Charge Total Charge of Hospital Stay		
2	DX1	Principal Diagnosis User Entered, character variable		
3	DX2	Second Diagnosis User Entered, character variable		
4	DX3	Third Diagnosis User Entered, character variable		
5	DX4	Fourth Diagnosis User Entered, character variable		
6	DX5	Fifth Diagnosis User Entered, character variable		
7	PROC1	Principal Procedure User Entered, character variable		
8	PROC2	Second Procedure User Entered, character variable		
9	PROC3	Third Procedure User Entered, character variable		
10	PTCOUNTY	County of Patient Origin 1 Box Elder 2 Cache 3 Rich 4 Morgan 5 Weber 6 Davis 7 Salt Lake 8 Summit 9 Tooele 10 Utah 11 Wasatch 12 Daggett 13 Duchesne 14 Uintah 15 Juab 16 Millard 17 Piute 18 Sanpete 19 Sevier 20 Wayne		

21 Carbon  
 22 Emery  
 23 Grand  
 24 San Juan  
 25 Beaver  
 26 Garfield  
 27 Iron  
 28 Kane  
 29 Washington  
 30 Multi-county Zip Codes  
 31 Outside Utah  
 32 Unknown  
 33 Outside U.S.

- 11      LOS   Length of Stay  
              Number of Days spent in the hospital
- 12      CHROUTL   Outlier, Facility Charges  
                      0 Non-outlier  
                      1 Outlier
- 13      LOSOUTL   Outlier, LOS  
                      0 Non-outlier  
                      1 Outlier
- 14      AGEPOP   Age Grouped  
                      0 0 years  
                      1 1 - 4 years  
                      2 5 - 9 years  
                      3 10 - 14 years  
                      4 15 - 19 years  
                      5 20 - 24 years  
                      6 25 - 29 years  
                      7 30 - 34 years  
                      8 35 - 39 years  
                      9 40 - 44 years  
                      10 45 - 49 years  
                      11 50 - 54 years  
                      12 55 - 59 years  
                      13 60 - 64 years  
                      14 65 - 69 years  
                      15 70 - 74 years  
                      16 75 - 79 years  
                      17 80 - 84 years  
                      18 85 + years  
                      99 Unknown
- 15      AGEGRP   Age Grouped  
                      1 0 - 28 days  
                      2 29 - 365 days  
                      3 1 - 4 years  
                      4 5 - 9 years  
                      5 10 - 14 years  
                      6 15 - 17 years  
                      7 18 - 19 years  
                      8 20 - 24 years

- 9 25 - 34 years
  - 10 35 - 44 years
  - 11 45 - 54 years
  - 12 55 - 64 years
  - 13 65 - 74 years
  - 14 75+ years
  - 15 Unknown
- 16      GENDER Gender
- 1 Female
  - 2 Male
  - 3 Encrypted (confidential data)
  - 4 Unknown
- 17      STATUS Patient Status on Release
- 1 to home or self care, routine discharge
  - 2 to another short-term general hospital
  - 3 to skilled nursing facility
  - 4 to an intermediate care
  - 5 to another type of institution
  - 6 to home under care of home health service
  - 7 left against medical advice
  - 8 to home under care of home IV provider
  - 10 expired
  - 11 unknown
- 18      PAYER Payer
- 1 Medicare
  - 2 Medicaid
  - 3 Other government
  - 4 Blue cross/blue shield
  - 5 Other commercial
  - 6 Managed care
  - 7 Self pay
  - 8 Charity
  - 9 Industrial & worker's compensation
  - 12 Unknown
- 19      YR Year Discharge Took Place  
Calendar Year e.g. 1996, 1997
- 20      DRG Diagnosis Related Group
- 1 1 craniotomy age >17 except for trauma
  - 2 2 craniotomy for trauma age >17
  - 3 3 craniotomy age 0-17
  - 4 4 spinal procedures
  - 5 5 extracranial vascular procedures
  - 6 6 carpal tunnel release
  - 7 7 peripheral & cranial nerve & other nerve system procedures with complications, comorbidities
  - 8 8 peripheral & cranial nerve & other nerve system procedures without complications, comorbidities
  - 9 9 spinal disorders & injuries
  - 10 10 nervous system neoplasms with complications, comorbidities
  - 11 11 nervous system neoplasms without complications, comorbidities
  - 12 12 degenerative nervous system disorders
  - 13 13 multiple sclerosis & cerebellar ataxia

14 14 specific cerebrovascular disorders except transient ischemic attack  
15 15 transient ischemic attack & precerebral occlusions  
16 16 nonspecific cerebrovascular disorders with complications,comorbidities  
17 17 nonspecific cerebrovascular disorders without complications,comorbidities  
18 18 cranial & peripheral nerve disorders with complications,comorbidities  
19 19 cranial & peripheral nerve disorders without complications,comorbidities  
20 20 nervous system infection except viral meningitis  
21 21 viral meningitis  
22 22 hypertensive encephalopathy  
23 23 non traumatic stupor & coma  
24 24 seizure & headache age >17 with complications, comorbidities  
25 25 seizure & headache age >17 without complications,comorbidities  
26 26 seizure & headache age 0-17  
27 27 traumatic stupor & coma, coma >1 hr  
28 28 traumatic stupor & coma, coma <1 hr age >17 with complications,comorbidities  
29 29 traumatic stupor & coma, coma <1 hr age >17 without complications,comorbidities  
30 30 traumatic stupor & coma, coma <1 hr age 0-17  
31 31 concussion age >17 with complications, comorbidities  
32 32 concussion ag >17 without complications, comorbidities  
33 33 concussion age 0-17  
34 34 other disorders of nervous system with complications,comorbidities  
35 35 other disorders of nervous system without complication,comorbidities  
36 36 retinal procedures  
37 37 orbital procedures  
38 38 primary iris procedures  
39 39 lens procedures with or without vitrectomy  
40 40 extraocular procedures except orbit age >17  
41 41 extraocular procedures except orbit age 0-17  
42 42 intraocular procedures except retina, iris & lens  
43 43 hyphema  
44 44 acute major eye infections  
45 45 neurological eye disorders  
46 46 other disorders of the eye age >17 with complications,comorbidities  
47 47 other disorders of the eye age >17 without complications,comorbidities  
48 48 other disorders of the eye age 0-17  
49 49 major head & neck procedures  
50 50 sialoadenectomy  
51 51 salivary gland procedures except sialoadenectomy  
52 52 cleft lip & palate repair  
53 53 sinus & mastoid procedures age >17  
54 54 sinus & mastoid procedures age 0-17  
55 55 miscellaneous ear, nose, mouth & throat procedures  
56 56 rhinoplasty  
57 57 tonsil & adenoid procedures, except tonsillectomy &/or adenoidectomy only, age >17  
58 58 tonsil & adenoid procedures, except tonsillectomy &/or adenoidectomy only, age 0-17  
59 59 tonsillectomy &/or adenoidectomy only, age >17  
60 60 tonsillectomy &/or adenoidectomy only, age 0-17  
61 61 myringotomy with tube insertion age >17  
62 62 myringotomy with tube insertion age 0-17  
63 63 other ear, nose, mouth & throat operating room procedures  
64 64 ear, nose, mouth & throat malignancy  
65 65 disequilibrium  
66 66 epistaxis  
67 67 epiglottitis  
68 68 otitis media & upper respiratory infection age >16 with complications,comorbidities  
69 69 otitis media & upper respiratory infection age > 17 without complications, comorbidities

70 70 otitis media & upper respiratory infection age 0-17  
71 71 laryngotracheitis  
72 72 nasal trauma & deformity  
73 73 other ear, nose, mouth & throat diagnoses age >17  
74 74 other ear, nose, mouth & throat diagnoses age 0-17  
75 75 major chest procedures  
76 76 other respiratory system operating room procedures with complications,comorbidities  
77 77 other respiratory system operating room procedures without complications, comorbidities  
78 78 pulmonary embolism  
79 79 respiratory infections & inflammations age >17 with complications,comorbidities  
80 80 respiratory infections & inflammations age >17 without complications,comorbidities  
81 81 respiratory infections & inflammations age 0-17  
82 82 respiratory neoplasms  
83 83 major chest trauma with complications, comorbidities  
84 84 major chest trauma without complications, comorbidities  
85 85 pleural effusion with complications, comorbidities  
86 86 pleural effusion without complications, comorbidities  
87 87 pulmonary edema & respiratory failure  
88 88 chronic obstructive pulmonary disease  
89 89 simple pneumonia & pleurisy age >17 with complications,comorbidities  
90 90 simple pneumonia & pleurisy age >17 without complications,comorbidities  
91 91 simple pneumonia & pleurisy age 0-17  
92 92 interstitial lung disease with complications, comorbidities  
93 93 interstitial lung disease without complications,comorbidities  
94 94 pneumothorax with complications, comorbidities  
95 95 pneumothorax without complications, comorbidities  
96 96 bronchitis & asthma age >17 with complications,comorbidities  
97 97 bronchitis & asthma age >17 without complications,comorbidities  
98 98 bronchitis & asthma age 0-17  
99 99 respiratory signs & symptoms with complications,comorbidities  
100 100 respiratory signs & symptoms without complications,comorbidities  
101 101 other respiratory system diagnoses with complications,comorbidities  
102 102 other respiratory system diagnoses without complications,comorbidities  
103 103 heart transplant  
104 104 cardiac valve procedures with cardiac catheter  
105 105 cardiac valve procedures without cardiac catheter  
106 106 coronary bypass with cardiac catheter  
107 107 coronary bypass without cardiac catheter  
108 108 other cardiothoracic procedures  
110 110 major cardiovascular procedures with complications,comorbidities  
111 111 major cardiovascular procedures without complications,comorbidities  
112 112 percutaneous cardiovascular procedures  
113 113 amputation for circulatory system disorders except under upper limb & toe  
114 114 upper limb & toe amputation for circulatory system disorders  
115 115 permanent cardiac pacemaker implant with acute myocardial infarction, heart failure or shock  
116 116 permanent cardiac pacemaker implant without acute myocardial infarction, heart failure or shock  
117 117 cardiac pacemaker revision except device replacement  
118 118 cardiac pacemaker device replacement  
119 119 vein ligation & stripping  
120 120 other circulatory system operating room procedures  
121 121 circulatory disorders with acute myocardial infarction & cardiovascular complications discharged alive  
122 122 circulatory disorders without acute myocardial infarction cardiovascular complications discharged alive

123 123 circulatory disorders with acute myocardial infarction,expired  
124 124 circulatory disorders except acute myocardial infarction,with cardiac catheter & complex  
diagnoses  
125 125 circulatory disorders except acute myocardial infarction,with cardiac catheter without  
complex diagnoses  
126 126 acute & subacute endocarditis  
127 127 heart failure & shock  
128 128 deep vein thrombophlebitis  
129 129 cardiac arrest, unexplained  
130 130 peripheral, vascular disorders with complications,comorbidities  
131 131 peripheral vascular disorders without complications,comorbidities  
132 132 atherosclerosis with complications, comorbidities  
133 133 atherosclerosis without complications, comorbidities  
134 134 hypertension  
135 135 cardiac congenital & valvular disorders age >17 with complications,comorbidities  
136 136 cardiac congenital & valvular disorders age >17 without complications,comorbidities  
137 137 cardiac congenital & valvular disorders age 0-17  
138 138 cardiac arrhythmia & conduction disorders with complications, comorbidities  
139 139 cardiac arrhythmia & conduction disorders without complications,comorbidities  
140 140 angina pectoris  
141 141 syncope & collapse with complications, comorbidities  
142 142 syncope & collapse without complications, comorbidities  
143 143 chest pain  
144 144 other circulatory system diagnoses with complications,comorbidities  
145 145 other circulatory system diagnoses without complications,comorbidities  
146 146 rectal resection with complications, comorbidities  
147 147 rectal resection without complications, comorbidities  
148 148 major small & large bowel procedures with complications,comorbidities  
149 149 major small & large bowel procedures without complications,comorbidities  
150 150 peritoneal adhesiolysis with complications, comorbidities  
151 151 peritoneal adhesiolysis without complications, comorbidities  
152 152 minor small & large bowel procedures with complications,comorbidities  
153 153 minor small & large bowel procedures without complications,comorbidities  
154 154 stomach, esophageal, & duodenal procedures age >17 with complications,comorbidities  
155 155 stomach, esophageal & duodenal procedures age >17 with complications,comorbidities  
156 156 stomach, esophageal & duodenal procedures age 0-17  
157 157 anal & stomal procedures with complications, comorbidities  
158 158 anal & stomal procedures without complications,comorbidities  
159 159 hernia procedures except inguinal & femoral age >17 with complications,comorbidities  
160 160 hernia procedures except inguinal & femoral age >17 without  
complications,comorbidities  
161 161 inguinal & femoral hernia procedures age >17 with complications,comorbidities  
162 162 inguinal & femoral hernia procedures age >17 without complications,comorbidities  
163 163 hernia procedures age 0-17  
164 164 appendectomy with complicated principal diagnosis with complications,comorbidities  
165 165 appendectomy with complicated principal diagnosis without complications,comorbidities  
166 166 appendectomy without complicated principal diagnosis with complications,comorbidities  
167 167 appendectomy without complicated principal diagnosis without  
complications,comorbidities  
170 170 other digestive system operating room procedures with complications,comorbidities  
171 171 other digestive system operating room procedures without complications,comorbidities  
172 172 digestive malignancy with complications, comorbidities  
173 173 digestive malignancy without complications, comorbidities  
174 174 gastrointestinal hemorrhage with complications,comorbidities  
175 175 gastrointestinal hemorrhage without complications,comorbidities  
176 176 complicated peptic ulcer

177 177 uncomplicated peptic ulcer with complications, comorbidities  
178 178 uncomplicated peptic ulcer without complications, comorbidities  
179 179 inflammatory bowel disease  
180 180 gastrointestinal obstruction with complications, comorbidities  
181 181 gastrointestinal obstruction without complications, comorbidities  
182 182 esophagitis, gastroenteritis, & miscellaneous digestive disorders age >17 with complications, comorbidities  
183 183 esophagitis, gastroenteritis, & miscellaneous digestive disorders age >17 without complications, comorbidities  
184 184 esophagitis, gastroenteritis, & miscellaneous digestive disorders age 0-17  
188 188 other digestive system diagnoses age >17 with complications, comorbidities  
189 189 other digestive system diagnoses age >17 without complications, comorbidities  
190 190 other digestive system diagnoses age 0-17  
191 191 pancreas, liver & shunt procedures with complications, comorbidities  
192 192 pancreas, liver & shunt procedures without complications, comorbidities  
193 193 biliary tract procedures except only total cholecyst with or without common duct exploration with complications, comorbidities  
194 194 biliary tract procedures except only total cholecyst with or without common duct exploration without complications, comorbidities  
195 195 total cholecystectomy with common duct exploration with complications, comorbidities  
196 196 total cholecystectomy with common duct exploration without complications, comorbidities  
197 197 cholecystectomy without common duct exploration with complications, comorbidities  
198 198 cholecystectomy without common duct exploration without complications, comorbidities  
199 199 hepatobiliary diagnostic procedure for malignancy  
200 200 hepatobiliary diagnostic procedure for non-malignancy  
201 201 other hepatobiliary or pancreas operating room procedures  
202 202 cirrhosis & alcoholic hepatitis  
203 203 malignancy of hepatobiliary system or pancreas  
204 204 disorders of pancreas except malignancy  
205 205 disorders of liver except malignancy, cirrhosis, alcoholic hepatitis with complications, comorbidities  
206 206 disorders of liver except malignancy, cirrhosis, alcoholic hepatitis without complications, comorbidities  
207 207 disorders of the biliary tract with complications, comorbidities  
208 208 disorders of the biliary tract without complications, comorbidities  
209 209 major joint & limb reattachment procedures  
210 210 hip & femur procedures except major joint age >17 with complications, comorbidities  
211 211 hip & femur procedures except major joint age >17 without complications, comorbidities  
212 212 hip & femur procedures except major joint age 0-17  
213 213 amputation for musculoskeletal system & connective tissue disorders  
214 214 back & neck procedures with complications, comorbidities  
215 215 back & neck procedures without complications, comorbidities  
216 216 biopsies of musculoskeletal system & connective tissue  
217 217 wound debridement & skin graft except hand, for musculoskeletal & connective tissue disorders  
218 218 lower extremity & humerus procedures except hip, foot, femur age >17 complications, comorbidities  
219 219 lower extremity & humerus procedures except hip, foot, femur age >17 without complications, comorbidities  
220 220 lower extremity & humerus procedures except hip, foot, femur age 0-17  
221 221 knee procedures with complications, comorbidities  
222 222 knee procedures without complications, comorbidities  
223 223 major shoulder/elbow procedure, or other upper extremity procedures with complications, comorbidities



224 224 shoulder, elbow or forearm procedure, except major joint procedures without complications, comorbidities  
225 225 foot procedures  
226 226 soft tissue procedures with complications, comorbidities  
227 227 soft tissue procedures without complications, comorbidities  
228 228 major thumb or joint procedure, or other hand or wrist procedure with complications, comorbidities  
229 229 hand or wrist procedure, except major joint procedure, without complications, comorbidities  
230 230 local excision & removal of internal fixation devices of hip & femur  
231 231 local excision & removal of internal fixation devices except hip & femur  
232 232 arthroscopy  
233 233 other musculoskeletal system & connective tissue operating room procedures with complications, comorbidities  
234 234 other musculoskeletal system & connective tissue operating room procedures without complications, comorbidities  
235 235 fractures of femur  
236 236 fractures of hip & pelvis  
237 237 sprains, strains, & dislocations of hip, pelvis & thigh  
238 238 osteomyelitis  
239 239 pathological fractures & musculoskeletal & connective tissue malignancy  
240 240 connective tissue disorders with complications, comorbidities  
241 241 connective tissue disorders without complications, comorbidities  
242 242 septic arthritis  
243 243 medical back problems  
244 244 bone diseases & specific arthropathies with complications, comorbidities  
245 245 bone diseases & specific arthropathies without complications, comorbidities  
246 246 non-specific arthropathies  
247 247 signs & symptoms of musculoskeletal system & connective tissue  
248 248 tendinitis, myositis & bursitis  
249 249 aftercare, musculoskeletal system & connective tissue  
250 250 fracture, sprain, strain, & dislocation of forearm, hand, foot age >17 with complications, comorbidities  
251 251 fracture, sprain, strain, & dislocation of forearm, hand, foot age >17 without complications, comorbidities  
252 252 fracture, sprain, strain & dislocation of forearm, hand, foot age 0-17  
253 253 fracture, sprain, strain & dislocation of upper arm, lower leg except foot age >17 w complications, comorbidities  
254 254 fracture, sprain, strain & dislocation of upper arm, lower leg, except foot age >17 without complications, comorbidities  
255 255 fracture, sprain, strain, & dislocation of upper arm, lower leg except foot age 0-17  
256 256 other musculoskeletal system & connective tissue diagnosis  
257 257 total mastectomy for malignancy with complications, comorbidities  
258 258 total mastectomy for malignancy without complications, comorbidities  
259 259 subtotal mastectomy for malignancy with complications, comorbidities  
260 260 subtotal mastectomy for malignancy without complications, comorbidities  
261 261 breast procedure for non-malignancy except biopsy & local excision  
262 262 breast biopsy & local excision for non-malignancy  
263 263 skin graft &/or debridement for skin ulcer or cellulitis with complications, comorbidities  
264 264 skin graft &/or debridement for skin ulcer or cellulitis without complications, comorbidities  
265 265 skin graft &/or debridement except for skin ulcer or cellulitis with complications, comorbidities  
266 266 skin graft &/or debridement except for skin ulcer or cellulitis without complications, comorbidities  
267 267 perianal & pilonidal procedures

268 268 skin, subcutaneous tissue & breast plastic procedures  
269 269 other skin, subcutaneous tissue & breast procedures with complications, comorbidities  
270 270 other skin, subcutaneous tissue & breast procedures without complications, comorbidities  
271 271 skin ulcers  
272 272 major skin disorders with complications, comorbidities  
273 273 major skin disorders without complications, comorbidities  
274 274 malignant breast disorders with complications, comorbidities  
275 275 malignant breast disorders without complications, comorbidities  
276 276 non-malignant breast disorders  
277 277 cellulitis age >17 with complications, comorbidities  
278 278 cellulitis age >17 without complications, comorbidities  
279 279 cellulitis age 0-17  
280 280 trauma to the skin, subcutaneous tissue & breast age >17 with complications, comorbidities  
281 281 trauma to the skin, subcutaneous tissue & breast age >17 without complications, comorbidities  
282 282 trauma to the skin, subcutaneous tissue & breast age 0-17  
283 283 minor skin disorders with complications, comorbidities  
284 284 minor skin disorders without complications, comorbidities  
285 285 amputation of lower limb for endocrine, nutrition & metabolic disorders  
286 286 adrenal & pituitary procedures  
287 287 skin grafts & wound debridement for endocrine, nutrition & metabolic disorders  
288 288 operating room procedures for obesity  
289 289 parathyroid procedures  
290 290 thyroid procedures  
291 291 thyroglossal procedures  
292 292 other endocrine, nutrition & metabolic operating room procedures with complications, comorbidities  
293 293 other endocrine, nutrition & metabolic operating room procedures without complications, comorbidities  
294 294 diabetes age >35  
295 295 diabetes age 0-35  
296 296 nutritional & miscellaneous metabolic disorders age >17 with complications, comorbidities  
297 297 nutritional & miscellaneous metabolic disorders age >17 without complications, comorbidities  
298 298 nutritional & miscellaneous metabolic disorders age 0-17  
299 299 inborn errors of metabolism  
300 300 endocrine disorders with complications, comorbidities  
301 301 endocrine disorders without complications, comorbidities  
302 302 kidney transplant  
303 303 kidney, ureter & major bladder procedures for neoplasm  
304 304 kidney, ureter & major bladder procedures for non-neoplasm with complications, comorbidities  
305 305 kidney, ureter & major bladder procedures for non-neoplasm without complications, comorbidities  
306 306 prostatectomy with complications, comorbidities  
307 307 prostatectomy without complications, comorbidities  
308 308 minor bladder procedures with complications, comorbidities  
309 309 minor bladder procedures without complications, comorbidities  
310 310 transurethral procedures with complications, comorbidities  
311 311 transurethral procedures without complications, comorbidities  
312 312 urethral procedures, age > 17 with complications, comorbidities  
313 313 urethral procedures, age >17 without complications, comorbidities  
314 314 urethral procedures, age 0-17  
315 315 other kidney & urinary tract operating room procedures

316 316 renal failure  
317 317 admit for renal dialysis  
318 318 kidney & urinary tract neoplasms with complications, comorbidities  
319 319 kidney & urinary tract neoplasms without complications, comorbidities  
320 320 kidney & urinary tract infections age >17 with complications, comorbidities  
321 321 kidney & urinary tract infections age >17 without complications, comorbidities  
322 322 kidney & urinary tract infections age 0-17  
323 323 urinary stones with complications, comorbidities, &/or extracorporeal shock wave lithotripsy  
324 324 urinary stones without complications, comorbidities  
325 325 kidney & urinary tract signs & symptoms age >17 with complications, comorbidities  
326 326 kidney & urinary tract signs & symptoms age >17 without complications, comorbidities  
327 327 kidney & urinary tract signs & symptoms age 0-17  
328 328 urethral stricture age >17 with complications, comorbidities  
329 329 urethral stricture age >17 without complications, comorbidities  
330 330 urethral stricture age 0-17  
331 331 other kidney & urinary tract diagnoses age >17 with complications, comorbidities  
332 332 other kidney & urinary tract diagnoses age >17 without complications, comorbidities  
333 333 other kidney & urinary tract diagnoses age 0-17  
334 334 major male pelvic procedures with complications, comorbidities  
335 335 major male pelvic procedures without complications, comorbidities  
336 336 transurethral prostatectomy with complications, comorbidities  
337 337 transurethral prostatectomy without complications, comorbidities  
338 338 transurethral prostatectomy without complications, comorbidities  
339 339 testes procedures, non-malignancy age >17  
340 340 testes procedures, non-malignancy age 0-17  
341 341 penis procedures  
342 342 circumcision age >17  
343 343 circumcision age 0-17  
344 344 other male reproductive system operating room procedures for malignancy  
345 345 other male reproductive system operating room procedures except for malignancy  
346 346 malignancy, male reproductive system, with complications, comorbidities  
347 347 malignancy, male reproductive system, without complications, comorbidities  
348 348 benign prostatic hypertrophy with complications, comorbidities  
349 349 benign prostatic hypertrophy without complications, comorbidities  
350 350 inflammation of the male reproductive system  
351 351 sterilization, male  
352 352 other male reproductive system diagnoses  
353 353 pelvic evisceration, radical hysterectomy & radical vulvectomy  
354 354 uterine, adnexa procedures for non-ovarian/adnexal malignancy with complications, comorbidities  
355 355 uterine, adnexa procedures for non-ovarian/adnexal malignancy without complications, comorbidities  
356 356 female reproductive system reconstructive procedures  
357 357 uterine & adnexa procedures for ovarian or adnexal malignancy  
358 358 uterine & adnexa procedure for non-malignancy with complications, comorbidities  
359 359 uterine & adnexa procedure for non-malignancy with complications, comorbidities  
360 360 vagina, cervix & vulva procedures  
361 361 laparoscopy & incisional tubal interruption  
362 362 endoscopic tubal interruption  
363 363 dilation & curettage, conization & radio-implant, for malignancy  
364 364 dilation & curettage, conization except for malignancy  
365 365 other female reproductive system operating room procedures  
366 366 malignancy, female reproductive system with complications, comorbidities  
367 367 malignancy, female reproductive system without complications, comorbidities  
368 368 infections, female reproductive system

369 369 menstrual & other female reproductive system disorders  
 370 370 cesarean section with complications, comorbidities  
 371 371 cesarean section without complications, comorbidities  
 372 372 vaginal delivery with complicating diagnoses  
 373 373 vaginal delivery without complicating diagnoses  
 374 374 vaginal delivery with sterilization &/or dilation & curettage  
 375 375 vaginal delivery with operating room procedure except sterilization &/or dilation & curettage  
 376 376 postpartum & post abortion diagnoses without operating room procedure  
 377 377 postpartum & post abortion diagnoses with operating room procedure  
 378 378 ectopic pregnancy  
 379 379 threatened abortion  
 380 380 abortion without dilation & curettage  
 381 381 abortion with dilation & curettage, aspiration curettage or hysterotomy  
 382 382 false labor  
 383 383 other antepartum diagnoses with medical complications  
 384 384 other antepartum diagnoses without medical complications  
 385 385 neonates, died or transferred to another acute care facility  
 386 386 extreme immaturity or respiratory distress syndrome, neonate  
 387 387 prematurity with major problems  
 388 388 prematurity without major problems  
 389 389 full term neonate with major problems  
 390 390 neonate with other significant problems  
 391 391 normal newborn  
 392 392 splenectomy age >17  
 393 393 splenectomy age 0-17  
 394 394 other operating room procedures of the blood and blood forming organs  
 395 395 red blood cell disorders age >17  
 396 396 red blood cell disorders age 0-17  
 397 397 coagulation disorders  
 398 398 reticuloendothelial & immunity disorders with complications, comorbidities  
 399 399 reticuloendothelial & immunity disorders without complications, comorbidities  
 400 400 lymphoma & leukemia with major operating room procedure  
 401 401 lymphoma & non-acute leukemia with other operating room procedures with complications, comorbidities  
 402 402 lymphoma & non-acute leukemia with other operating room procedures without complications, comorbidities  
 403 403 lymphoma & non-acute leukemia with complications, comorbidities  
 404 404 lymphoma 7 non-acute leukemia without complications, comorbidities  
 405 405 acute leukemia without major operating room procedure age 0-17  
 406 406 myeloprolif disorder or poorly diffused neoplasms with major operating room procedures with complications, comorbidities  
 407 407 myeloprolif disorder or poorly diffused neoplasms with major operating room procedures without complications, comorbidities  
 408 408 myeloprolif disorder or poorly diffused neoplasms with other operating room procedures  
 409 409 radiotherapy  
 410 410 chemotherapy without acute leukemia as secondary diagnosis  
 411 411 history of malignancy without endoscopy  
 412 412 history of malignancy with endoscopy  
 413 413 other myeloprolif diseases or poorly diffused neoplasm diagnoses with complications, comorbidities  
 414 414 other myeloprolif diseases or poorly diffused neoplasm diagnoses without complications, comorbidities  
 415 415 operating room procedure for infectious & parasitic diseases  
 416 416 septicemia age >17  
 417 417 septicemia age 0 -17

418 418 postoperative & post-traumatic infections  
419 419 fever of unknown origin age >17 w complications, comorbidities  
420 420 fever of unknown origin age >17 w/o complications, comorbidities  
421 421 viral illness age >17  
422 422 viral illness & fever of unknown origin age 0-17  
423 423 other infectious & parasitic diseases diagnoses  
424 424 operating room procedure with principal diagnoses of mental illness  
425 425 acute adjustment reactions & disturbances of psychosocial dysfunction  
426 426 depressive neuroses  
427 427 neuroses except depressive  
428 428 disorders of personality & impulse control  
429 429 organic disturbances & mental retardation  
430 430 psychoses  
431 431 childhood mental disorders  
432 432 other mental disorder diagnoses  
433 433 alcohol/drug abuse or dependence, left against medical advice  
434 434 alcohol/drug abuse or dependence, detoxification or other symptom treatment with complications, comorbidities  
435 435 alcohol/drug abuse or dependence, detoxification or other symptom treatment without complications, comorbidities  
436 436 alcohol/drug dependence with rehabilitation therapy  
437 437 alcohol/drug dependence, combined rehabilitation & detoxification therapy  
439 439 skin grafts for injuries  
440 440 wound debridements for injuries  
441 441 hand procedures for injuries  
442 442 other operating room procedures for injuries with complications, comorbidities  
443 443 other operating room procedures for injuries without complications, comorbidities  
444 444 traumatic injury age >17 with complications, comorbidities  
445 445 traumatic injury age >17 without complications, comorbidities  
446 446 traumatic injury age 0-17  
447 447 allergic reactions age >17  
448 448 allergic reactions age 0-17  
449 449 poisoning & toxic effects of drugs age >17 with complications, comorbidities  
450 450 poisoning & toxic effects of drugs age >17 without complications, comorbidities  
451 451 poisoning & toxic effects of drugs age 0-17  
452 452 complications of treatment with complications, comorbidities  
453 453 complications of treatment without complications, comorbidities  
454 454 other injury, poisoning & toxic effect diagnoses with complications, comorbidities  
455 455 other injury, poisoning & toxic effect diagnoses without complications, comorbidities  
456 456 burns, transferred to another acute care facility  
457 457 extensive burns without operating room procedure  
458 458 non-extensive burns with skin graft  
459 459 non-extensive burns with wound debridement or other operating room procedure  
460 460 non-extensive burns without operating room procedure  
461 461 operating room procedure with diagnoses of other contact with health  
462 462 rehabilitation  
463 463 signs & symptoms with complications, comorbidities  
464 464 signs & symptoms without complications, comorbidities  
465 465 aftercare with history of malignancy as secondary diagnosis  
466 466 aftercare without history of malignancy as secondary diagnosis  
467 467 other factors influencing health status  
468 468 extensive operating room procedure unrelated to principal diagnosis  
470 470 ungroupable  
472 472 extensive burns with operating room procedure  
475 475 respiratory system diagnosis with ventilator support  
476 476 prostatic operating room procedure unrelated to principal diagnosis

		477 477 non-extensive operating room procedure unrelated to principal diagnosis
		481 481 bone marrow transplant
		482 482 tracheostomy with mouth, larynx or pharynx disorder
		483 483 tracheostomy except for mouth, larynx, or pharynx disorder
		484 484 craniotomy for multiple significant trauma
		485 485 limb reattachment, hip and femur procedure for multiple significant trauma
		486 486 other operating room procedures for multiple significant trauma
		487 487 other multiple significant trauma
		488 488 hiv with extensive operating room procedure
		489 489 hiv with major related condition
		490 490 hiv with or without other related condition
21	MDC	MDC
		0 Ungroupable
		1 1 Nervous System
		2 2 Eye
		3 3 Ear, Nose, Mouth & Throat
		4 4 Respiratory System
		5 5 Circulatory System
		6 6 Digestive System
		7 7 Hepatobiliary System & Pancreas
		8 8 Musculoskeletal System & Conn tissue
		9 9 Skin, Subcutaneous Tissue & Breast
		10 10 Endocrine, Nutritional & Meta System
		11 11 Kidney & Urinary Tract
		12 12 Male Reproductive System
		13 13 Female Reproductive System
		14 14 Pregnancy, Childbirth & Puerperium
		15 15 Newborn & Other Neonates (Perin Period)
		16 16 Blood and Blood-Forming Disorders
		17 17 Myeloproliferative DDs (Diff Neoplasms)
		18 18 Infectious and Parasitic DDs
		19 19 Mental Diseases and Disorders
		20 20 Alcohol/Drug Use or Induced Mental Dis
		21 21 Injuries, Poison & Toxic Eff of Drugs
		22 22 Burns
		23 23 Factors Influencing Health Status
		24 24 Multiple Significant Trauma
		25 25 Human Immunodeficiency Virus Infection
22	A1	Provider Name
		Not Used
23	DL	
		Not Used
24	PL	
		Not Used
25	DXCAT	Diagnosis Category
		0 No diagnosis
		1 Tuberculosis
		2 Septicemia (except in labor)
		3 Bacterial infection, unspecified site
		4 Mycoses
		5 HIV infection

- 6 Hepatitis
- 7 Viral infection
- 8 Other infections, including parasitic
- 9 Sexually transmitted infections (not HIV or hepatitis)
- 10 Immunizations and screening for infectious disease
- 11 Cancer of head and neck
- 12 Cancer of esophagus
- 13 Cancer of stomach
- 14 Cancer of colon
- 15 Cancer of rectum and anus
- 16 Cancer of liver and intrahepatic bile duct
- 17 Cancer of pancreas
- 18 Cancer of other GI organs, peritoneum
- 19 Cancer of bronchus, lung
- 20 Cancer, other respiratory and intra thoracic
- 21 Cancer of bone and connective tissue
- 22 Melanomas of skin
- 23 Other non-epithelial cancer of skin
- 24 Cancer of breast
- 25 Cancer of uterus
- 26 Cancer of cervix
- 27 Cancer of ovary
- 28 Cancer of other female genital organs
- 29 Cancer of prostate
- 30 Cancer of testis
- 31 Cancer of other male genital organs
- 32 Cancer of bladder
- 33 Cancer of kidney and renal pelvis
- 34 Cancer of other urinary organs
- 35 Cancer of brain and nervous system
- 36 Cancer of thyroid
- 37 Hodgkins disease
- 38 Non-Hodgkins lymphoma
- 39 Leukemias
- 40 Multiple myeloma
- 41 Cancer, other and unspecified primary
- 42 Secondary malignancies
- 43 Malignant neoplasm without specification of site
- 44 Neoplasms of unspecified nature or uncertain behavior
- 45 Maintenance chemotherapy, radiotherapy
- 46 Benign neoplasm of uterus
- 47 Other and unspecified benign neoplasm
- 48 Thyroid disorders
- 49 Diabetes mellitus without complication
- 50 Diabetes mellitus with complications
- 51 Other endocrine disorders
- 52 Nutritional deficiencies
- 53 Disorders of lipid metabolism
- 54 Gout and other crystal arthropathies
- 55 Fluid and electrolyte disorders
- 56 Cystic fibrosis
- 57 Immunity disorders
- 58 Other nutritional, endocrine, and metabolic disorders
- 59 Deficiency and other anemia
- 60 Acute posthemorrhagic anemia
- 61 Sickle cell anemia

62 Coagulation and hemorrhagic disorders  
63 Diseases of white blood cells  
64 Other hematologic conditions  
65 Mental retardation  
66 Alcohol-related mental disorders  
67 Substance-related mental disorders  
68 Senility and organic mental disorders  
69 Affective disorders  
70 Schizophrenia and related disorders  
71 Other psychoses  
72 Anxiety, somatoform, dissociative, and personality disorders  
73 Preadult disorders  
74 Other mental conditions  
75 Personal history of mental disorder, mental and behavioral..  
76 Meningitis (except by TB or STD s)  
77 Encephalitis (except by TB or STD s)  
78 Other CNS infection and poliomyelitis  
79 Parkinsons disease  
80 Multiple sclerosis  
81 Other hereditary and degenerative nervous system conditions  
82 Paralysis  
83 Epilepsy, convulsions  
84 Headache, including migraine  
85 Coma, stupor, and brain damage  
86 Cataract  
87 Retinal detachments, defects, vascular occlusion, and retinopathy  
88 Glaucoma  
89 Blindness and vision defects  
90 Inflammation, infection of eye (no TB or STD s)  
91 Other eye disorders  
92 Otitis media and related conditions  
93 Conditions associated with dizziness or vertigo  
94 Other ear and sense organ disorders  
95 Other nervous system disorders  
96 Heart valve disorders  
97 Peri-, endo-, and myocarditis, cardiomyopathy (no TB or STDs)  
98 Essential hypertension  
99 Hypertension with complications and secondary hypertension  
100 Acute myocardial infarction  
101 Coronary atherosclerosis and other heart disease  
102 Nonspecific chest pain  
103 Pulmonary heart disease  
104 Other and ill-defined heart disease  
105 Conduction disorders  
106 Cardiac dysrhythmias  
107 Cardiac arrest and ventricular fibrillation  
108 Congestive heart failure, nonhypertensive  
109 Acute cerebrovascular disease  
110 Occlusion or stenosis of precerebral arteries  
111 Other and ill-defined cerebrovascular disease  
112 Transient cerebral ischemia  
113 Late effects of cerebrovascular disease  
114 Peripheral and visceral atherosclerosis  
115 Aortic, peripheral, and visceral artery aneurysms  
116 Aortic and peripheral arterial embolism or thrombosis  
117 Other circulatory disease



118 Phlebitis, thrombophlebitis and thromboembolism  
119 Varicose veins of lower extremity  
120 Hemorrhoids  
121 Other diseases of veins and lymphatics  
122 Pneumonia (except that caused by tuberculosis or STDs)  
123 Influenza  
124 Acute and chronic tonsillitis  
125 Acute bronchitis  
126 Other upper respiratory infections  
127 Chronic obstructive pulmonary disease and bronchiectasis  
128 Asthma  
129 Aspiration pneumonitis, food/vomitus  
130 Pleurisy, pneumothorax, pulmonary collapse  
131 Respiratory failure, insufficiency, arrest (adult)  
132 Lung disease due to external agents  
133 Other lower respiratory disease  
134 Other upper respiratory disease  
135 Intestinal infection  
136 Disorders of teeth and jaw  
137 Diseases of mouth, excluding dental  
138 Esophageal disorders  
139 Gastroduodenal ulcer (except hemorrhage)  
140 Gastritis and duodenitis  
141 Other disorders of stomach and duodenum  
142 Appendicitis and other appendiceal conditions  
143 Abdominal hernia  
144 Regional enteritis and ulcerative colitis  
145 Intestinal obstruction without hernia  
146 Diverticulosis and diverticulitis  
147 Anal and rectal conditions  
148 Peritonitis and intestinal abscess  
149 Biliary tract disease  
150 Liver disease, alcohol-related  
151 Other liver diseases  
152 Pancreatic disorders (not diabetes)  
153 Gastrointestinal hemorrhage  
154 Noninfectious gastroenteritis  
155 Other gastrointestinal disorders  
156 Nephritis, nephrosis, renal sclerosis  
157 Acute and unspecified renal failure  
158 Chronic renal failure  
159 Urinary tract infections  
160 Calculus of urinary tract  
161 Other diseases of kidney and ureters  
162 Other diseases of bladder and urethra  
163 Genitourinary symptoms and ill-defined conditions  
164 Hyperplasia of prostate  
165 Inflammatory conditions of male genital organs  
166 Other male genital disorders  
167 Nonmalignant breast conditions  
168 Inflammatory diseases of female pelvic organs  
169 Endometriosis  
170 Prolapse of female genital organs  
171 Menstrual disorders  
172 Ovarian cyst  
173 Menopausal disorders

174 Female infertility  
175 Other female genital disorders  
176 Contraceptive and procreative management  
177 Spontaneous abortion  
178 Induced abortion  
179 Postabortion complications  
180 Ectopic pregnancy  
181 Other complications of pregnancy  
182 Hemorrhage during pregnancy, abruptio placenta, placenta previa  
183 Hypertension complicating pregnancy, childbirth and the puerperium  
184 Early or threatened labor  
185 Prolonged pregnancy  
186 Diabetes complicating pregnancy or birth  
187 Malposition, malpresentation  
188 Fetopelvic disproportion, obstruction  
189 Previous C-section  
190 Fetal distress and abnormal forces of labor  
191 Polyhydramnios and other problems of amniotic cavity  
192 Umbilical cord complication  
193 Trauma to perineum and vulva  
194 Forceps delivery  
195 Other complications of birth  
196 Normal pregnancy and/or delivery  
197 Skin and subcutaneous tissue infections  
198 Other inflammatory condition of skin  
199 Chronic ulcer of skin  
200 Other skin disorders  
201 Infective arthritis and osteomyelitis  
202 Rheumatoid arthritis and related disease  
203 Osteoarthritis  
204 Other non-traumatic joint disorders  
205 Spondylosis, intervertebral disc disorders, back problems  
206 Osteoporosis  
207 Pathological fracture  
208 Acquired foot deformities  
209 Other acquired deformities  
210 Systemic lupus erythematosus and connective tissue disorders  
211 Other connective tissue disease  
212 Other bone disease and musculoskeletal deformities  
213 Cardiac and circulatory congenital anomalies  
214 Digestive congenital anomalies  
215 Genitourinary congenital anomalies  
216 Nervous system congenital anomalies  
217 Other congenital anomalies  
218 Liveborn  
219 Short gestation, L.B.Wt, and fetal growth retardation  
220 Intrauterine hypoxia and birth asphyxia  
221 Respiratory distress syndrome  
222 Hemolytic jaundice and perinatal jaundice  
223 Birth trauma  
224 Other perinatal conditions  
225 Joint disorders and dislocations, trauma-related  
226 Fracture of neck of femur (hip)  
227 Spinal cord injury  
228 Skull and face fractures  
229 Fracture of upper limb

- 230 Fracture of lower limb
- 231 Other fractures
- 232 Sprains and strains
- 233 Intracranial injury
- 234 Crushing injury or internal injury
- 235 Open wounds of head, neck, and trunk
- 236 Open wounds of extremities
- 237 Complication of device, implant or graft
- 238 Complications of surgical procedures or medical care
- 239 Superficial injury, contusion
- 240 Burns
- 241 Poisoning by psychotropic agents
- 242 Poisoning by other medications and drugs
- 243 Poisoning by nonmedicinal substances
- 244 Other injuries and conditions due to external causes
- 245 Syncope
- 246 Fever of unknown origin
- 247 Lymphadenitis
- 248 Gangrene
- 249 Shock
- 250 Nausea and vomiting
- 251 Abdominal pain
- 252 Malaise and fatigue
- 253 Allergic reactions
- 254 Rehabilitation care, fitting of prostheses
- 255 Administrative/social admission
- 256 Medical examination/evaluation
- 257 Other aftercare
- 258 Other screening for suspected conditions
- 259 Residual codes, unclassified
- 260 E (external causes of injury and poisoning) codes

- 26      PRCAT Procedure Category
- 0 No procedure
  - 1 Incision and excision of CNS
  - 2 Insertion, replacement, or removal of extracranial ventricular shunt
  - 3 Laminectomy, excision intervertebral disc
  - 4 Diagnostic spinal tap
  - 5 Insertion of catheter or spinal stimulator and injection into spinal canal
  - 6 Decompression peripheral nerve
  - 7 Other diagnostic nervous system procedures
  - 8 Other non-OR or closed therapeutic nervous system procedures
  - 9 Other OR therapeutic nervous system procedures
  - 10 Thyroidectomy, partial or complete
  - 11 Diagnostic endocrine procedures
  - 12 Other therapeutic endocrine procedures
  - 13 Corneal transplant
  - 14 Glaucoma procedures
  - 15 Lens and cataract procedures
  - 16 Repair of retinal tear, detachment
  - 17 Destruction of lesion of retina and choroid
  - 18 Diagnostic procedures on eye
  - 19 Other therapeutic procedures on eyelids, conjunctiva, cornea
  - 20 Other intraocular therapeutic procedures
  - 21 Other extraocular muscle and orbit therapeutic procedures
  - 22 Tympanoplasty

23 Myringotomy  
24 Mastoidectomy  
25 Diagnostic procedures on ear  
26 Other therapeutic ear procedures  
27 Control of epistaxis  
28 Plastic procedures on nose  
29 Dental procedures  
30 Tonsillectomy and/or adenoidectomy  
31 Diagnostic procedures on nose, mouth and pharynx  
32 Other non-OR therapeutic procedures on nose, mouth and pharynx  
33 Other OR therapeutic procedures on nose, mouth and pharynx  
34 Tracheostomy, temporary and permanent  
35 Tracheoscopy and laryngoscopy with biopsy  
36 Lobectomy or pneumonectomy  
37 Diagnostic bronchoscopy and biopsy of bronchus  
38 Other diagnostic procedures on lung and bronchus  
39 Incision of pleura, thoracentesis, chest drainage  
40 Other diagnostic procedures of respiratory tract and mediastinum  
41 Other non-OR therapeutic procedures on respiratory system  
42 Other OR therapeutic procedures on respiratory system  
43 Heart valve procedures  
44 Coronary artery bypass graft (CABG)  
45 Percutaneous transluminal coronary angioplasty (PTCA)  
46 Coronary thrombolysis  
47 Diagnostic cardiac catheterization, coronary arteriography  
48 Insertion, revision, replacement, removal of cardiac pacemaker or cardioverter/defibrillator  
49 Other OR heart procedures  
50 Extracorporeal circulation auxiliary to open heart procedures  
51 Endarterectomy, vessel of head and neck  
52 Aortic resection, replacement or anastomosis  
53 Varicose vein stripping, lower limb  
54 Other vascular catheterization, not heart  
55 Peripheral vascular bypass  
56 Other vascular bypass and shunt, not heart  
57 Creation, revision and removal of arteriovenous fistula or vessel-to-vessel cannula for dialysis  
58 Hemodialysis  
59 Other OR procedures on vessels of head and neck  
60 Embolectomy and endarterectomy of lower limbs  
61 Other OR procedures on vessels other than head and neck  
62 Other diagnostic cardiovascular procedures  
63 Other non-OR therapeutic cardiovascular procedures  
64 Bone marrow transplant  
65 Bone marrow biopsy  
66 Procedures on spleen  
67 Other therapeutic procedures, hemic and lymphatic system  
68 Injection or ligation of esophageal varices  
69 Esophageal dilatation  
70 Upper gastrointestinal endoscopy, biopsy  
71 Gastrostomy, temporary and permanent  
72 Colostomy, temporary and permanent  
73 Ileostomy and other enterostomy  
74 Gastrectomy, partial and total  
75 Small bowel resection  
76 Colonoscopy and biopsy

77 Proctoscopy and anorectal biopsy  
78 Colorectal resection  
79 Local excision of large intestine lesion (not endoscopic)  
80 Appendectomy  
81 Hemorrhoid procedures  
82 Endoscopic retrograde cannulation of pancreas (ERCP)  
83 Biopsy of liver  
84 Cholecystectomy and common duct exploration  
85 Inguinal and femoral hernia repair  
86 Other hernia repair  
87 Laparoscopy  
88 Abdominal paracentesis  
89 Exploratory laparotomy  
90 Excision, lysis peritoneal adhesions  
91 Peritoneal dialysis  
92 Other bowel diagnostic procedures  
93 Other non-OR upper GI therapeutic procedures  
94 Other OR upper GI therapeutic procedures  
95 Other non-OR lower GI therapeutic procedures  
96 Other OR lower GI therapeutic procedures  
97 Other gastrointestinal diagnostic procedures  
98 Other non-OR gastrointestinal therapeutic procedures  
99 Other OR gastrointestinal therapeutic procedures  
100 Endoscopy and endoscopic biopsy of the urinary tract  
101 Transurethral excision, drainage, or removal urinary obstruction  
102 Ureteral catheterization  
103 Nephrotomy and nephrostomy  
104 Nephrectomy, partial or complete  
105 Kidney transplant  
106 Genitourinary incontinence procedures  
107 Extracorporeal lithotripsy, urinary  
108 Indwelling catheter  
109 Procedures on the urethra  
110 Other diagnostic procedures of urinary tract  
111 Other non-OR therapeutic procedures of urinary tract  
112 Other OR therapeutic procedures of urinary tract  
113 Transurethral resection of prostate (TURP)  
114 Open prostatectomy  
115 Circumcision  
116 Diagnostic procedures, male genital  
117 Other non-OR therapeutic procedures, male genital  
118 Other OR therapeutic procedures, male genital  
119 Oophorectomy, unilateral and bilateral  
120 Other operations on ovary  
121 Ligation of fallopian tubes  
122 Removal of ectopic pregnancy  
123 Other operations on fallopian tubes  
124 Hysterectomy, abdominal and vaginal  
125 Other excision of cervix and uterus  
126 Abortion (termination of pregnancy)  
127 Dilatation and curettage, aspiration after delivery or abortion  
128 Diagnostic dilatation and curettage (D and C)  
129 Repair of cystocele and rectocele, obliteration of vaginal vault  
130 Other diagnostic procedures, female organs  
131 Other non-OR therapeutic procedures, female organs  
132 Other OR therapeutic procedures, female organs

133 Episiotomy  
134 Cesarean section  
135 Forceps, vacuum, and breech delivery  
136 Artificial rupture of membranes to assist delivery  
137 Other procedures to assist delivery  
138 Diagnostic amniocentesis  
139 Fetal monitoring  
140 Repair of current obstetric laceration  
141 Other therapeutic obstetrical procedures  
142 Partial excision bone  
143 Bunionectomy or repair of toe deformities  
144 Treatment, facial fracture or dislocation  
145 Treatment, fracture or dislocation of radius and ulna  
146 Treatment, fracture or dislocation of hip and femur  
147 Treatment, fracture or dislocation of lower extremity (other than hip or femur)  
148 Other fracture and dislocation procedure  
149 Arthroscopy  
150 Division of joint capsule, ligament or cartilage  
151 Excision of semilunar cartilage of knee  
152 Arthroplasty knee  
153 Hip replacement, total and partial  
154 Arthroplasty other than hip or knee  
155 Arthrocentesis  
156 Injections and aspirations of muscles, tendons, bursa, joints and soft tissue  
157 Amputation of lower extremity  
158 Spinal fusion  
159 Other diagnostic procedures on musculoskeletal system  
160 Other therapeutic procedures on muscles and tendons  
161 Other OR therapeutic procedures on bone  
162 Other OR therapeutic procedures on joints  
163 Other non-OR therapeutic procedures on musculoskeletal system  
164 Other OR therapeutic procedures on musculoskeletal system  
165 Breast biopsy and other diagnostic procedures on breast  
166 Lumpectomy, quadrantectomy of breast  
167 Mastectomy  
168 Incision and drainage, skin and subcutaneous tissue  
169 Debridement of wound, infection or burn  
170 Excision of skin lesion  
171 Suture of skin and subcutaneous tissue  
172 Skin graft  
173 Other diagnostic procedures on skin and subcutaneous tissue  
174 Other non-OR therapeutic procedures on skin and breast  
175 Other OR therapeutic procedures on skin and breast  
176 Other organ transplantation  
177 Computerized axial tomography (CT) scan head  
178 CT scan chest  
179 CT scan abdomen  
180 Other CT scan  
181 Myelogram  
182 Mammography  
183 Routine chest X-ray  
184 Intraoperative cholangiogram  
185 Upper gastrointestinal X-ray  
186 Lower gastrointestinal X-ray  
187 Intravenous pyelogram  
188 Cerebral arteriogram

- 189 Contrast aortogram
- 190 Contrast arteriogram of femoral and lower extremity arteries
- 191 Arterio- or venogram (not heart and head)
- 192 Diagnostic ultrasound of head and neck
- 193 Diagnostic ultrasound of heart (echocardiogram)
- 194 Diagnostic ultrasound of gastrointestinal tract
- 195 Diagnostic ultrasound of urinary tract
- 196 Diagnostic ultrasound of abdomen or retroperitoneum
- 197 Other diagnostic ultrasound
- 198 Magnetic resonance imaging
- 199 Electroencephalogram (EEG)
- 200 Nonoperative urinary system measurements
- 201 Cardiac stress tests
- 202 Electrocardiogram
- 203 Electrographic cardiac monitoring
- 204 Swan-Ganz catheterization for monitoring
- 205 Arterial blood gases
- 206 Microscopic examination (bacterial smear, culture, toxicology)
- 207 Radioisotope bone scan
- 208 Radioisotope pulmonary scan
- 209 Radioisotope scan and function studies
- 210 Other radioisotope scan
- 211 Therapeutic radiology
- 212 Diagnostic physical therapy
- 213 Physical therapy exercises, manipulation, and other procedures
- 214 Traction, splints, and other wound care
- 215 Other physical therapy and rehabilitation
- 216 Respiratory intubation and mechanical ventilation
- 217 Other respiratory therapy
- 218 Psychological and psychiatric evaluation and therapy
- 219 Alcohol and drug rehabilitation/detoxification
- 220 Ophthalmologic and otologic diagnosis and treatment
- 221 Nasogastric tube
- 222 Blood transfusion
- 223 Enteral and parenteral nutrition
- 224 Cancer chemotherapy
- 225 Conversion of cardiac rhythm
- 226 Other diagnostic radiology and related techniques
- 227 Other diagnostic procedures (interview, evaluation, consultation)
- 228 Prophylactic vaccinations and inoculations
- 229 Nonoperative removal of foreign body
- 230 Extracorporeal shock wave lithotripsy, other than urinary
- 231 Other therapeutic procedures

27 X Dummy Variable to Count Cases

28 DIST\_R Residential District

- 1 Bear River
- 2 Weber-Morgan
- 3 Davis County
- 4 Salt Lake County
- 5 Summit County
- 6 Tooele County
- 7 Utah County
- 8 Wasatch County
- 9 Tri-County

10 Central Utah  
11 Southeastern Utah  
12 Southwest Utah  
99 Unknown